## ISSUE SLIP STAPLE ARF ' dditional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |
|---------------------------|----------|--------|----------|
| FEE DETERMINATION .       | ih l'    |        | 6-15-0   |
| O.I.P.E. CLASSIFIER       | ww       | 10     | 06-23-01 |
| FORMALITY REVIEW          | 771/     | 303    | 08.10-0, |
| RESPONSE FORMALITY REVIEW |          |        |          |

## **INDEX OF CLAIMS**

| , | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
|   | (Through numeral) Canceled | Α   | Appeal       |
|   | Restricted                 | 0   | Objected     |

|             |          |  |          |          |          | ÷        | •••      | ••••         |          | ••••         | ••••          | ••••• | ł        | lest     | rict     | ea       |          |          |          | U        | ••••             | ••••     | ••••     |  |
|-------------|----------|--|----------|----------|----------|----------|----------|--------------|----------|--------------|---------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|------------------|----------|----------|--|
| Cla         | im       |  | *        |          |          | Date     |          |              |          |              |               | ļ     | Cla      | im       | _        |          |          |          | Dat      | <b>B</b> | _                |          |          |  |
| Ī           | =        | क्ष  | ै।       | T        |          |          |          |              |          | $\neg$       |               |       |          | _        |          |          |          |          | Ī        |          | T                |          | $\neg$   |  |
| Final       | Ortginal | 15P60  | 2-22-04  |          |          |          |          |              |          |              |               |       | Final    | Original | 1        |          |          |          |          |          | ł                | l        |          |  |
| 픠           | 읈        | Ġ,   |          | -        | -        | -        | Н        |              | $\dashv$ | -            | -             |       | 4        | 51       |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        | $\dashv$         | ┥        | $\dashv$ | $\dashv$                               |
| $\dashv$    | 7        | Y  | Y        | -        | -        | _        | _        | -            | -        | $\dashv$     | $\dashv$      |       | _        | 52       | $\dashv$ |          | $\dashv$ | -        |          |          | $\dashv$         | $\dashv$ | $\dashv$ | $\dashv$                               |
| -           | 3        | 7  |          | -        | -        | -        |          | -            | -        | -            | -             |       | -        | 53       | $\dashv$ | $\dashv$ | -        |          | ᅥ        | -        |                  | ᅥ        | $\dashv$ | ᅥ                                      |
| $\dashv$    | 3 (2) 5  | 2  | -10      | $\dashv$ |          | _        | _        | -            | _        | -            | -             |       | H        | 54       | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ |          |                  | $\dashv$ |          | ㅓ                                      |
| $\dashv$    | å        | Ž  | н        | $\vdash$ | -        | $\vdash$ |          | H            |          | -            | -             |       | -        | 55       | $\dashv$ | $\dashv$ | $\dashv$ | -        | -1       | $\neg$   |                  | ᅥ        |          | $\dashv$                               |
| -           | 6        | V  | -        | Н        |          |          |          | Н            | -        | -            | $\neg$        |       | ├─       | 56       | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ |          |                  | $\neg$   | $\neg$   | ᅱ                                      |
| 4           | Š        | H  | 4        | $\vdash$ | $\vdash$ | $\dashv$ | _        | Н            |          |              |               |       | ┝╌       | 57       |          |          |          |          | ┪        |          | $\neg$           | $\neg$   |          | ┪                                      |
| -           | 8        | Н  | Ť        | Н        |          | -        |          | -            |          | -            |               |       | ┢        | 58       | _        |          |          |          |          |          |                  |          |          | ᅱ                                      |
|             | 9        | H  | -        | $\vdash$ | -        |          |          | H            |          | -            | $\overline{}$ |       | -        | 59       |          |          | $\neg$   |          |          |          |                  |          |          | ヿ                                      |
|             | 10       | -  | H        | Н        | _        | _        | _        |              | Н        | $\neg$       |               |       | -        | 60       |          | $\neg$   |          |          |          |          |                  |          |          | 一                                      |
| -           | 11       | <del>                                     </del> | $\vdash$ | $\vdash$ |          | H        | Н        |              |          | Н            |               |       | ┢        | 61       |          |          |          |          |          |          |                  |          | П        | $\dashv$                               |
| 7           | 12       |  | -        | $\vdash$ |          | Н        | Т        | П            |          | Н            |               |       | $\vdash$ | 62       |          | $\dashv$ | П        | ╗        |          |          | П                |          | П        |  |
| -51         | 13       | Н  | Г        | Н        | Н        | $\vdash$ | Ε.       | Н            | Т        | Н            |               |       | Г        | 63       |          |          | П        |          |          |          |                  |          |          |  |
| -           | 14       | Н  |          | Н        | Т        | Г        | Ė        |              | Г        |              |               |       | ┢        | 64       |          | $\Box$   |          |          |          |          |                  |          |          |  |
| _           | 15       |  | $\vdash$ | Н        |          |          | Г        | $\Box$       | Г        |              | Γ             |       |          | 65       |          |          |          |          |          |          |                  |          |          |  |
|             | 16       | Г  | Т        | П        | Г        |          | Г        | Γ            |          | Г            |               | l     |          | 66       |          |          |          |          |          |          |                  |          |          |  |
| _           | 17       | Г  | Г        |          | Г        |          |          | <u> </u>     |          |              |               | 1     |          | 67       |          |          |          |          |          |          |                  |          |          |  |
|             | 18       | $\vdash$   |          | $\vdash$ | $\vdash$ | Г        | ┢        |              |          |              |               | ٠.    |          | 68       |          |          | Π        |          |          |          |                  |          |          |  |
|             | 19       | T  |          | П        |          |          | 1        |              |          |              |               |       | Г        | 69       |          |          |          |          |          |          |                  |          |          |  |
|             | 20       | T  |          | Г        |          | 一        | T        |              | ┰        |              |               | ١.    |          | 70       |          |          |          |          |          |          |                  |          | Г        |  |
|             | 21       |  | -        |          |          | 1        | Η.       | -            | -        |              |               | 1     | Г        | 71       |          |          | Ξ        |          |          |          |                  | <u> </u> |          |  |
| <del></del> | 22       |  | ╁╴       | =        |          |          | 1        | <del> </del> |          |              |               |       | $\vdash$ | 72       |          |          |          | -        |          |          | ┌                |          | Г        |  |
| -           | 23       | -  | H        | -        | $\vdash$ | $\vdash$ | ┰        | H            | 1        | Ė            | ┢             | 1     | Ι-       | 73       |          | Г        | $\vdash$ |          |          |          | Г                |          |          |  |
|             | 24       | t  | <u>├</u> | Н        | 1        | T        | $\vdash$ | 1            |          | 1            | 1             | 1     | $\vdash$ | 74       |          |          | _        |          | Г        |          |                  |          | П        |  |
| _           | 25       | -  | T        | 1        | Г        | _        | ┪        |              | ┢        | Г            | 1             | 1     | $\vdash$ | 75       |          |          |          |          |          |          |                  |          | Г        |  |
| _           | 26       |  | 1        | ⇈        | t        | Г        | I        | t            | T        | 1            | 1             | 1     |          | 76       |          |          |          |          |          | Π        |                  |          |          |  |
|             | 27       | -  | $\vdash$ | t        | t        | t        | t        |              |          |              |               | 1     |          | 77       |          | Г        |          |          | Г        | Г        |                  |          | Γ        |  |
|             | 28       | Τ.   | T        |          |          | ✝        | T        | Τ            | T        |              | Г             | 1     |          | 78       | Π        |          |          |          |          |          | П                |          |          |  |
|             | 29       | 1  | İ        | T        | Т        | 1        | 1        |              | 1        | $\vdash$     |               | 1     |          | 79       |          |          | Г        |          |          |          |                  |          |          |  |
|             | 30       |  | Т        | 1        | Τ        | $\vdash$ | Τ        |              | Г        |              |               | 1     |          | 80       |          |          |          |          |          |          |                  |          |          |  |
| Т           | ائمًا    | 1  | T        | 1        | Т        | Τ        | Т        | Τ            | Τ        | Τ            | Τ             | 1     |          | 81       |          | Γ        |          |          |          |          |                  |          |          |  |
| _           | 32       |  | Τ        | Π        | Γ        | T        |          | Г            |          |              |               | ]     |          | 82       |          |          |          | L.       |          |          |                  | L.       |          |  |
| 7           | 33       | 3  | Π        |          | Γ        |          | Γ        | Γ            |          |              | Γ             | ]     |          | 83       | -        |          | $\Box$   | Ĺ        |          |          | 1                | Ĺ        |          | $\perp$                                |
|             | 34       | ·  |          |          | T        |          |          | $\Gamma$     |          |              |               | ]     |          | 84       |          |          |          |          |          |          |                  | L        | L        | L                                      |
|             | 35       |  | Γ        | $\Gamma$ | Γ        | Γ        | Γ        | Ι            |          | I            |               |       | L        | 85       | _        |          | L        | Ĺ        | L        | L        | L                | L        | $\perp$  | ــــــــــــــــــــــــــــــــــــــ |
|             | 36       | 5  | Γ        |          |          |          |          | L            | L        |              |               |       |          | 86       | -        |          |          |          | L        |          |                  | L        | L        | L                                      |
|             | 37       |  |          |          |          |          |          |              |          | L            |               | ]     |          | 87       | _        |          | L        | L        | $\perp$  | L        | 1_               | 1_       | $\perp$  | $oldsymbol{\perp}$                     |
|             | 38       | 3  |          |          |          | Г        | Γ        | Π            |          |              |               | ]     |          | 88       | -        |          |          |          |          |          |                  | L        | 1        | $\perp$                                |
|             | 39       | )  |          | Γ        |          | Ι        | Ι        | $\prod$      |          | $oxed{\Box}$ |               | ]     |          | 89       | -        | L        | L        | $\perp$  | L        | L        | 1                | L        | 1        | _                                      |
|             | 40       | ī  | Т        | П        | Γ        |          |          | Γ            |          |              | Γ             |       | L        | 90       | 1        |          | L        |          |          |          | L.               |          |          | L                                      |
| Г           | 4        | ī  | Τ        | T        | T        | 1        | T        | Τ            | Τ        | Τ            | Τ             | 7     | Г        | 91       | Γ        | T        | Г        |          |          | Ι        | $\mathbf{I}^{-}$ | Γ        |          | $\prod$                                |
| $\vdash$    | 42       | 1  | $\top$   | 1        | t        | T        | T        | 1            | $\top$   | T            | T             | 1     |          | 92       | 1        | Τ        | T        | Τ        | Γ        | Г        | Π                | L        |          | Γ                                      |
| ┢           | 43       | _  | T        | 1        | T        | T        | †        | T            | ╁        | T            | T             | 1     |          | 93       | 1        | Τ        | T        | T        |          |          |                  | Γ        |          | Ι                                      |
| 一           | 4        | -  | T        | $\top$   | T        | †        | T        |              | 1        | T            | T             | 1     |          | 94       | 1        | Τ        | T        | Τ        | Г        |          |                  | Γ        | 1        |  |
| 一           | 4        |  | +        | 1-       | +        | T        | T        | $\top$       | 十        | T            | T             | 1     |          | 95       | 1        | 1        |          | 1        | Τ        | T        |                  | Τ        | Ι        | I                                      |
| ┢           | 44       |  | T        | T        | T        | T        | T        | $\top$       | T        | T            | 1             | ٦     | Г        | 96       | 5        | T        | T        | T        |          | Ι        | 1                | Ι        | Ι        | Ι                                      |
| Н           | 47       | -  | †        | 1        | T        | T        | 1        | T            | T        | 1            | T             | 1     |          | 97       | -        | 7        | Τ        | T        | T        | Τ        |                  | Τ        | T        | Τ                                      |
| $\vdash$    | 177      | _  | +-       | +        | +        | +        | +        | -1-          | +        | +            | +-            | 1     | $\vdash$ | as       |          | +-       | 1        | +        | 1        | $\top$   | $\top$           | 1        | +        | $\top$                                 |

| Cla      | uim      |           | _         |           |          | ו | Dat      | e            | _        | _ |          |              | ╝            |   |
|----------|----------|-----------|-----------|-----------|----------|---|----------|--------------|----------|---|----------|--------------|--------------|---|
| Final    | Original |           |           |           |          |   |          |              |          |   |          |              |              |   |
| Œ        | -        | _         | 4         |           | _        | 1 | 4        |              | <u> </u> | + | -        | -            | 닉            |   |
| _        | 101      | -         |           | _         | <u> </u> | + |          |              | -        | Ŧ | 4        |              | $\dashv$     | l |
|          | 102      | $\dashv$  | _         | _         | ⊢        | + | $\dashv$ |              | -        | ╁ | -        | {            |              | l |
|          | 103      | _         |           |           | Ļ        | 4 | 4        |              | Ļ        | 4 | 4        | 4            | _            | l |
| _        | 104      | $\dashv$  | _         | _         | ┡        | + | -        |              | -        | + | 4        |              |              | l |
| _        | 105      |           |           | -         | ┡        | + | 4        |              | ┡        | + | -        |              |              | l |
| _        | 106      |           | -         |           | ┡        | + | _        | _            | ┞        | + | -        |              | -            | ١ |
|          | 107      |           | أصا       | -         | ┞-       | 4 |          |              | -        | + | -        |              | -            | I |
|          | 108      | _         | -         | -         | ⊢        | + | _        |              | ┞        | + | $\dashv$ | -            |              | I |
| _        | 109      | Щ         | _         | _         | Ļ        | 4 | _        |              | ⊢        | + | $\dashv$ | $\dashv$     |              | ۱ |
|          | 110      |           |           | -         | ┼        | + | _        |              | ╀        | + | 4        |              | -            | I |
|          | 111      | Ш         | _         | H         | ╀        | + | _        | _            | ┝        | + | 4        | -1           |              | I |
|          | 112      |           | _         | _         | ╀        | 4 | _        |              | ┞        | + |          | -            |              | l |
|          | 113      |           |           | <u> </u>  | ╀        | + | _        | _            | ┞        | + | -        |              | -            | I |
|          | 114      |           | ⊢         | ┝         | ╀        | + | _        | -            | ╀        | + |          | $\dashv$     | -            | ı |
|          | 115      |           | -         | ⊢         | ╀        | + |          |              | ╀        | + | _        | -            | -            | i |
|          | 116      | -         |           | ├         | ╀        | 4 | _        | -            | ╀        | + |          | Н            | H            | ł |
|          | 117      |           | _         | ├-        | ╁        | + | _        | -            | ╀        | + | _        |              | -            |   |
|          | 118      |           | _         | <u> </u>  | ╀        | 1 |          | -            | ╄        | 4 |          | $\vdash$     | -            |   |
| _        | 119      | _         | _         | ļ_        | ╀        | 4 |          | _            | ╀        | 4 | _        | <u> </u>     | _            |   |
|          | 120      |           |           |           | L        | 1 |          | -            | L        | 1 | _        | ·            |              |   |
|          | 121      |           |           | L         | L        | ┙ |          | L            | Ļ        | 1 |          | Ŀ            | Ĺ            |   |
|          | 122      |           |           |           | -        |   | -        |              | 1        | _ | =        |              |              |   |
|          | 123      |           | _         |           |          |   | _        | L            | L        | 1 | _        | L            | <u> </u>     |   |
|          | 124      | 1         |           |           |          |   |          | _            |          |   | _        | L            |              |   |
|          | 125      |           |           |           | I        |   |          |              |          |   |          |              | L            |   |
|          | 126      |           | <u> </u>  |           | L        |   |          | L            | L        |   |          |              | L            | _ |
| Г        | 127      | 1         | Ţ         | П         | T        |   |          |              |          |   | _        | <u> </u>     | L            |   |
| Г        | 128      | 3         |           | Π         | T        |   |          | L            |          |   |          | L            | _            |   |
| Г        | 129      |           |           |           | I        |   |          | L            | 1        |   |          |              | _            |   |
| Г        | 130      |           |           | Τ         | Ι        |   |          |              |          |   |          | 上            | 1_           |   |
| Г        | 13       | 1         | П         | T.,       | Ι        |   |          |              |          |   |          | L            |              |   |
| Г        | 132      | 4         |           | Τ         | Τ        |   |          |              | T        |   |          |              |              |   |
| Г        | 13       | 3         | Т         | 1         | T        |   | Г        | Ι            | Τ        |   |          | T_           |              |   |
| Γ        | 13       | 4         | Τ         | Τ         | Т        |   | Г        | Τ            | T        |   |          | Τ            |              |   |
| Г        | 13       | <b>\$</b> | Τ         | 1         | T        |   | 7        | Τ            | Τ        |   |          | $\mathbb{L}$ |              |   |
| Г        | 13       | 1         | T         | Т         | T        |   |          |              | Ţ        |   |          | L            |              |   |
| Г        | 13       | 7         | Τ         | T         | Т        |   | Г        |              | Ţ        |   |          |              |              |   |
| Г        | 13       | 3         | Τ         | Τ         | T        |   | Г        | Τ            |          |   |          |              | 1_           |   |
| Г        | 13       | 9         | Т         | Τ         | T        | _ | Γ        | Τ            | T        |   |          |              | T            |   |
| Г        | 14       | o         | 1         | Τ         | T        |   | Γ        | Τ            |          |   |          | Ţ            | Τ            |   |
| $\vdash$ | 14       | _         | 1         | 十         | †        |   | ↾        | T            | 7        |   | T        | Τ            | Τ            |   |
| $\vdash$ | 14       |           | +         | +         | †        | _ | t        | $\top$       | †        | _ | Г        | $\top$       | 十            |   |
| $\vdash$ | 14       | 3         | +         | t         | +        |   | H        | Ť            | +        |   | Τ        | T            | ╅            |   |
| $\vdash$ | 14       |           | $\top$    | $\dagger$ | +        |   | t        | $^{\dagger}$ | +        |   | T        | Τ            | T            |   |
| $\vdash$ | 14       |           | +         | +         | +        | - | t        | +            | +        | _ | t        | +            | 十            |   |
| $\vdash$ | 14       | _         | ╁         | 十         | +        | _ | 十        | t            | +        | _ | T        | T            | $^{\dagger}$ |   |
| $\vdash$ | 14       |           | $\dagger$ | +         | +        |   | ╁        | +            | +        |   | 1        | T            | T            |   |
| $\vdash$ | 14       |           | ╫         | +         | +        |   | +        | +            | $\dashv$ |   | t        | $\dagger$    | +            |   |
| -        | 14       | _         | +         | +         | 十        |   | t        | +            | $\dashv$ |   | Τ        | $\dagger$    | †            |   |
| $\vdash$ | 15       |           | 十         | +         | +        |   | T        | +            | +        |   | ✝        | $\top$       | 十            |   |

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If more than 150 claims or 10 actions staple additional sheet here